

Abstract

The present invention provides a gas generator capable of sufficiently loading gas generants into a combustion chamber, while the safety of the housing is secured, and also burning the gas generants inside the combustion chamber uniformly and effectively.

A gas generator A is provided with a metal housing 3 having an initiator shell 1 and a closure shell 2, a combustion chamber 5 into which gas generants 4 are loaded and an igniter 7 for igniting and burning the gas generants 4, in which the initiator shell 1 and the closure shell 2 have semi-spherical end plate portions 10 and 14, H/D of a ratio of H , a length of the housing to D , an outer diameter of the cylindrical portions 9 and 13 continuously formed from the end plate portions 10 and 14 is in the range from 0.4 to 1.3, the igniter 7 is provided with an inner cylindrical body 16 having a plurality of enhancer openings 15 and enhancers 17 loaded into the inner cylindrical body 16, and d/D or a ratio of d , an outer diameter of the inner cylindrical body 16 to D , an outer diameter of the end plate portions 10 and 14 is in the range from 0.1 to 0.5.